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affecting or changing the hosting application or the document server application. The external control object activates an intercept application which mimics the functions of the document server application and performs user actions on the digital data object as authorized by the external control object according to the control rights associated with the digital object. By intercepting and monitoring user actions on a digital data object, the invention can control access and use of the digital data object.

IN THE SPECIFICATION

In accordance with 37 CFR 1.121(b)(1)(iii), Attachment B contains marked up versions of the replacement paragraphs illustrating the newly introduced changes in the specification.

Please insert the following paragraph on page 1, line 5.

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This application is a continuation of U.S. Application No. 09/456,796, filed on December 8, 1999, which is incorporated by reference herein for all purposes.

Please replace the paragraph on page 13, starting on line 2, with the following replacement paragraph.

A3

This section describes the use of the DIT 350 (Figure 4) and DCL 400 (Figure 4) in connection with Microsoft's Active Document Specification. In this system, the DCL 400 enforces security features relating to the usage of data objects of applications that are written using the Active Document Specification. The Active Document Specification is built upon the Microsoft Component Object Model (COM) architecture and is part of Microsoft's Object Linking and Embedding (OLE) family of technologies. The Active Document Specification is designed to allow a hosting application to embed documents from other applications in the hosting application. For example, Microsoft Word can host a Microsoft Excel spreadsheet that is within a Microsoft Word document. Under the Active Document Specification, a user can work on an embedded document, within the hosting application, without having to move to a separate application window. Additional information regarding the Active Document Specification can be found in the Active Documents Overview as presently located at http://msdn.microsoft.com/library/devprods/vs6/visualc/vccore/core_activex_documents.htm

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, "Understanding ActiveX and OLE" by David Chappell (Chapter 11), and "Inside OLE", 2nd edition, by Brockschmidt.

Please replace the paragraph on pages 13-14, starting on line 30, with the following replacement paragraph.

A4

In accordance with the Active Document Specification, an Active Document Server negotiates with its hosting Active Document Container for the use of some part of its window space. The Active Document Server also negotiates the incorporation of menu items into the Active Document Container's menus. As a result of these negotiations, the Active Document Server application appears to be part of the Active Document Container application. In reality, the container and server are distinct and individual component applications. The negotiations are made through a standard set of interfaces defined by the Active Document Specification. When a user of the Active Document Container accesses user interface features related to the hosted Active Document Server application, these interactions are passed on to the Active Document Server application, again through standard interfaces defined in the Active Document Specification. Additional interactions between the Active Document Container and Server are required for the following: notifications from the container to the server about when a user is in the window space of the server, when the server needs to refresh its area of the window, when and where the server should save its data, and when the server should shut down. It is noted that the Active Document Specification defines no inherent data security or access control features for its various defined component and application roles. These features are implemented a fter-the-fact through the described embodiment of the present invention.

IN THE CLAIMS

The following is a clean version of the entire set of pending claims. In accordance with 37 C.F.R. § 1.121(c)(2)(ii), Attachment A provides marked-up versions of the claims containing newly introduced changes.

Please amend Claim 1, 2, 21, and 22.

Please cancel Claims 24-30.

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1. (Amended) A method of intercepting a communication between two